BILL NO. S-76-03-03

SPECIAL ORDINANCE NO. S-64-76

AN ORDINANCE approving a contract with Mobile Aerial Towers, Inc. for urgent repairs and major overhaul on T. E. #21 Hi-Ranger Hydraulic Lift (Bucket).

BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF FORT WAYNE, INDIANA:

SECTION 1. That the contract dated February 25, 1976, between the City of Fort Wayne, by and through its Mayor and the Traffic Engineering Department and Mobile Aerial Towers, Inc. for:

Probable list of repairs pending major overhaul on TE-21 Hi-Ranger. Approximate Labor Charges \$2500 - \$3500. Approximate Material Charges \$4000 - \$4500. Approximate Total Cost to Overhaul and Update Unit \$6500 - \$8000,

all as more particularly set forth in Purchase Order 3-32932 and which is on file in the office of the Department of Purchasing and is by reference incorporated herein, made a part hereof and is hereby in all things ratified, confirmed and approved.

SECTION 2. This Ordinance shall be in full force and effect from and after its passage and approval by the Mayor.

Tivian J. Schmidt

APPROVED AS TO FORM AND LEGALITY,

CITY ATTORNEY

Read the first time in full and on motion	
Muchib, and duly adopted: read the to the Committee on Junane	
Commission for recommendation) and Public Hear	•
at the Council Chambers, City-County Building	the state of the s
	, 197, at
o'clock P.M.,E.S.T.	
Date: 3-9-76	Cherlet . Westerman
Read the third time in full and on motion	n by I Schnish.
seconded by Alenga, and duly	
Passed (tast) by the following vote:	
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TOTAL VOTES	
BURNS	
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HUNTER	
MOSES	
NUCKOLS	
SCHMIDT, D.	
SCHMIDT, V.	Market Special Control of the Contro
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TALARICO	of 11 th
DATE: 3-23.76	Chaplell. Wellenne
Rassed and adopted by the Common Council	of the City of Fout Wayne Indiana
as (Zoning Nap) (General) (Annexation) (Speci	
(Resolution) No. 8-64-76 on the 23	
ATTEST: (SEA	
LAME CITY CLERK	PRESTORIG OFFICER
Presented by me to the Mayor of the City	of Food Payne, Indiana, on the 24th
day of j March, 1976	, at the hour of 10:00 o'clock
J. M., E.S.T.	11.111
	MULLIN MELLINGUA
Approved and signed by me this 2470	day of March, 1976,
at the hour of 4:30 o'clock /	
	(11.19/1-1
//	Lann Chimetrand

Bill No.	S-76-03-03	1					
-	·	REPORT OF TH	E COMMITT	EE ON FINA	NCE	- Anna Maria	
We, your	Committee on	Finance			referred an	Ordinance	
	Approving a con	tract with Mobile	Aerial	Towers, Inc.	. for urgent	repairs and	
	major overhaul	on T. E. #21 Hi-F	anger Hy	draulic Lift	t (Bucket)		
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John M				pksa	/ luc file	4	-
Samuel _	J. Talarico			JOHN BY	net f	Talance	

CHARLES W. WESTERMAN, CITY CLERK



SHIP VIA

#### MOBILE AERIAL TOWERS, INC.

2314 BOWSER AVE., PHONE 744-6181 AREA CODE 219 MAIL P.O. BOX 1309. FT. WAYNE, INDIANA 46801





Customer Pickup

City of Fort Wayne Traffic and Signal Department 1730 South Lafavette Street Fort Wayne, Indiana 46803

the reverse side hereof, all of which are po of the contract. Please notify us in writin of any discrepancies immediately. City of Fort Wayne General Accounting City-County Building Number One East Main Street Fort Wayne, Indiana 46802

Attn: Mr. J. Smith

Page 1 of 6 CUSTOMER ORDER NO.ICUST, ORDER DATE IDATE ENTERED DEALER - CUSTOMER JOB NO. 78473 Phone 2/02/76 2/03/76 INVOICE DATE

TERMS: 1/2% - 10 DAYS, NET 30 DAYS FROM DATE OF INVOICE F. O. B. FORT WAYNE, INDIANA,

4D-35PLT

7661648 (16661)

#### PROBABLE LIST OF REPAIRS PENDING MAJOR OVERHAUL:

Drain main hydraulic system; clean reservoir and suction filter; replace cartridge in micronic filter and refill with Aero Shell #4 oil.

Replace the upper boom lift cable, nut and taper pin.

Replace the platform leveling and hold-back cables, and insulators.

Replace hold-back cable thimble.

Replace the compensating chain.

The second section of the second seco

Replace the idler sprocket bushing.

Install new turntable pinion and pinion key.

Install gear reducer adjustment brackets.

Replace gear reducer.

Replace the following hinge pins: Lower boom cylinder rod end hinge pin Lower boom cylinder blind end hinge pin Idler sprocket hinge pin Platform hinge pin

(continued)



- a. J,

City of Fort Wayne

Phone

NO.P 74519

PANGER

PANS AND SERVICE

Thank you for your order, We have entered this order in production occording to the descriptions and terms set forth below and or the reverse side hereof, all of which are por of the contract. Please notify us in writing of any discrepancies immediately.

78473 Page 2 of 6

Replace the following hoses:
Upper boom cylinder hoses
Lower boom cylinder hoses
Tool line hoses at elbow

Tool line hoses at pedestal and at platform All hoses above swivel joint

Rebuild fiberglass bucket, control guard and sheave guard to original structural and electrical integrity.

Replace matting on platform floorboard.

Install new chain saw scabbard.

Replace pruning tool holder.

Rebuild fiberglass upper boom assembly to original structural and electrical integrity.

Replace rubber matting on upper boom hold-down assy.

Install ring bolt installation in fiberglass platform
lip.

Repack upper and lower boom cylinders.

Repack spring lock-out cylinders and rework to latest specifications.

Remove platform control head and control valve assy.; inspect and replace all o-ring seals, and pistons.

Clean and lubricate control head linkage. Drain all control system oil and replace with new oil.

Remove turntable swivel joint assembly; disassemble, inspect and replace all o-ring seals.

Check throttle control and replace o-ring seal.

Install compensating chain terminal kit.

Install gland lock on upper boom cylinder.

Install lower boom cylinder limit stops per MB-1012, welded to pistons.

Replace tool line hoses in upper boom assembly.

(continued)



No.P 74519

Thank you for your order. We have enlered this order in production according to the descriptions and terms set forth below and on the reverse side hereof, all of which are part of the controct. Please notify us in writing of any discrepancies immediately.

JOB NO. 78473

City of Fort Wayne CUSTOMER ORDER NO.

Page 3 of 6

Phone

Replace all control lines and nuts in upper boom and lower boom assembly with continuous control lines.

Install pedestal reinforcement angles per MB-1045.

Install self-locking nuts on turntable hold-down bolts.

Install elbow sheave liner kit per MB-1050.

Magnaflux all hinge pins and critical welds per S-T 56612.

Overload test the unit with three times rated load and check for defects

Perform electrical tests.

Install hose guard in lower boom.

Remove turntable: disassemble turntable halves and clean.

Inspect ball bearings, spacers, bearing ring and turntable drive gear.

Inspect lower boom per MB-1080 and re-install stainless steel shield installation.

Rebuild unloading valve.

Rework upper boom saddle.

fiberglass boom.

Replace hydraulic pump main shaft, bearings, and seals.

Replace PTO assembly main shaft, bearing, and seals,

Remove and inspect steel tool lines in lower boom.

Add silicone application to inside of fiberglass upper boom. Steam clean entire unit including inside of

Install capacitor in emergency pump system.

(continued)



JOB NO.

SOLD TO

City of Fort Wayne

Thank you for your order. We have entered this order in production occarding to the descriptions and terms set forth below and on the reverse side hereof, all of which are part of the contract. Please notify us in writing of any discrepancies immediately.

No.P 74519

Page 4 of 6

78473

Phone

Wire lock control valve placard per MB-1085.

Rebush lower boom cylinder blind-end eye.

Inspect lower boom cylinder mounting plates on turntable.

Inspect terminal assembly anchor plate on turntable for elongation of terminal bolt hole.

The above represents the standard major three year overhaul as prescribed in the "Operation and Maintenance Manual" 1-66, Rev. C, and as to be determined by actual inspection at MAT, Inc. However, the scope of the work performed to the Hi-Ranger unit listed above, in no way effects conformance of the Hi-Ranger unit with specification no. ANSI A92.2-1969, or existing or proposed OSHA requirements. New Hi-Ranger units constructed after August 27, 1971 do conform with specification no. ANSI A92.2-1969.

The following will conform to existing ANSI A92.2-1969 requirements:

Perform standard MAT electrical tests, and certify for "under 69 KV" rating.

Install updated placards and decals, including <u>all applicable</u> MAT and MADDDC developed hazard (Danger, Caution) decals provided and installed, including but not limited to the following:

- MADDDC #3751002 (DANGER-KEEP CLEAR). One on rear of Hi-Ranger unit, one on each side of body or bed area, as applicable. Replaces former MAT A-104489 (KEEP CLEAR), as per DD-1713 MB-1077.
- 2.) MADDDC #3751003 (& #3751003-A) (DANGER-YOU MUST NOT OPERATE...). One each, at ground and basket controls locations.
- 3.) MADDDC #3751004 (& #3751005-A) (DANGER-ELECTROCUTION HAZARD-MAINTAIN SAFE CLEARANCES).
  One each, at ground and basket controls locations. Replaces former MAT A-104488 (WARNING), as per DD-1713, MB-1077, and also MAT A-104545 Rev. A, (DANGER) as per DD-1740, Ma-1079. (continued)



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City of Fort Wayne CUSTOMER ORDER NO.

Phone

this order in production according to scriptions and terms set forth below the reverse side hereof, all of which a of the contract. Please notify us in

Page 5 of 6 MADDDC #3751005 (& #3751005-A) - (CAUTION). 4.)

each, at ground and basket controls locations. 5.) MAT A-104615 - (DANGER-BOOM IS NOT INSULATED BEYOND ARROWS), together with MAT A-104614 arrow strip decals, installed one each, near each end of fiberglass boom section, to indicate net

NOTES: Above decals are in addition to those Hi-Ranger and series advertising decals, and other placards placed on unit, to describe capacities, control functions, identify, etc.

insulation length of boom section.

Engineering M/L to specify decals and exact locations on this job.

Ship two (2) new Operation and Maintenance Manuals with completed unit.

Perform stability tip test (133% of rated capacity on 5° slope) and add ballast if required.

Install stainless steel electrode connection bolts similar to Drawing A-104225, with placards.

Certified report of mechanical and electrical tests, signed by a registered, professional engineer will be provided with invoice.

We cannot on any pre-August, 1971 Hi-Ranger, reweld the unit so that welding standards conform to paragraph 4.6 of ANSI A92.2-1969. The exception will be stated on a placard on the overhauled unit, as well as on our certified report mentioned above.

Approximate Labor Charges

Approximate Material Charges

Approximate Total Cost to Overhaul, Update Unit

The above is an estimate and does not cover any additional parts or labor which may be required after the work has been opened up. Occasionally after the work has started, worn or damaged parts are discovered which are not evident on the first inspection. Because of this, the above prices are not quaranteed. (continued)

2,500,00 - 3,500,00

4,000,00 - 4,500,00 6,500,00 - 8,000,00

MCKNOWLEDGMENT



No.P	7451	19
	MAIG	JT N
PARTS	AND S	ERVICE

78473

SOLD TO

City of Fort Wayne

CUSTOMER ORDER NO.

Page 6 of 6 Phone

Thank you for your order. We have entered this order in production according to the descriptions and terms set forth below and on the reverse side hereof, all of which are por of the contract. Please notify us in writing of any discrepancies immediately.

Unit to be delivered to MAT, Inc. Repair Department week of March 22, 1976.

Unit scheduled for completion of overhaul week of April 26, 1976.

After reviewing this acknowledgment, please make any necessary notations on one of the two copies enclosed, sign, date and return to Mobile Aerial Towers, Inc. Processing of your order will not continue until signed acknowledgment is returned, indicating approval of acknowledgment, as annotated.

CITY OF FORT WAYNE

DATE _____

S. Hasler/sd

FORM DP-3 APPROVED BY THE STATE BDARD OF ACCOUNTS FOR THE CITY OF FORT WAYNE 1905.

#### CITY OF FORT WAYNE

DEPARTMENT OF PURCHASES NUMBER ONE EAST MAIN STREET **ROOM 470** FORT WAYNE, INDIANA 46802

MAIL ALL CORRESPONDENCE, CLAIM VOUCHERS ETC. TO:

Traffic Engineering Department Room 740 - City County Building One Main Street - Fort Wayne, Indiana 46802

Mobile Aerial Towers, Inc. 2314 Bowser Avenue

P. O. Box 1309 Fort Wayne, Indlana 46801

DELIVER TO:-DEPARTMENT OR CIVISION.

Traffic Engineering Department Operations

1730 South Lafayette Street Fort Wayne, Indiana, 46803

ADDRESS % IF PAID WITHIN CASH DISCOUNT TERMS DAYS EROM DELIVERY AND ACCEPTANCE OF COORS OR PERFORMANCE OF SERVICES. (DEDUCTION FOR DISCOUNT SNOWN BELOW)

PURCHASE ORDER NUMBER

3-32932 !!

February 25, 1976

REF. NO. 図 9-11 REO. NO.

THE ABOVE INFORMATION MUST APPEAR ON ALL INVOICES, BILLS OF LADING, DELIVERY TICKETS, PACKAGES AND CORRESPONDENCE. INVOICE IN DUPLICATE.

THIS PURCHASE ORDER ISSUED BY:

DATE WANTED

OATE

A.S.A.P.

APPROPRIATION AND FUNO NUMBER

10-770-252 11

	QUANTITY ORDERED	TINU	MATERIALS, SUPPLIES OR SERVICES	PRICE	THUOMA
		-	TAX EXEMPT (UNLESS OTHERWISE INDICATED)		
DMPLIANCE WITH NO DELIVERY DATE EQUESTED WILL ADDIT OF THE PROPERTY OF THE PRO			Probable list of Repairs Pending Major Overhaul on TE-21 Hi-Ranger See Attached-List		
NSTRUCTIONS ON NE BACK OF THIS ORDER			Approximate Labor Charges \$2500 - \$3500.00 Approximate Material Charges \$4000.00 - \$4500.00		
NE CONTRACTOR OR ENDOR, BY ACCEPT- NG THIS ORDER, A- REES TO THE GEN- RAL CONDITIONS MO ERMS OF AGREEMENT N THE BACK OF THIS ROER.	· 💃		Approximate Total Cost to Overhaul & Update Unit: \$6500.00 - \$8000.00		
NLESS OTHERWISE OCATEO THE PRICES (OWN INCLUDE ALL HARGES FOR DELIV- TY, PACKINS, ETC., ICESSARY TO COM- LETE OELIVERY TO ESTINATION SPECI- IEO.		-	Subject to Council manic Approval		
NLESS OTHERWISE NOICATED THE PRICES HOWN DO NOT INCLUDE AXES OF ANY KINO.					
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F THIS ORDER ODES OF AGREE WITH YOUR OUOTATION KINDLY EET-ON IT WITH AN EXPLANATION.			XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		

EREO BY UNENCUMBERED BALANCES IN THE ABOVE FUNOS AND THAT THE EXPENDITURE THEREFOR HAS BEEN DULY AUTHORIZED AND APPROPRIATED. 

Per

I HEREBY CERTIFY UPON MY OWN PERSONAL KNOWLEDGE THAT THIS ORDER IS AUTHORIZED BY A PROPERLY EXECUTED AND APPROVED REQUISITION ON FILE IN THIS OFFICE.

XXXXXXXXXXXXXXXXX Director of Purchases A.C. LORD

Per

#### DIGEST SHEET

J-76-03-03

TITLE OF ORDINANCE Overhaul Approvel: Repair of Hydraulic Lift Bucket for HI-Kan Mobile Aerial Towers, Inc.	ger
DEPARTMENT REQUESTING ORDINANCE Traffic Engineering Department	,
SYNOPSIS OF ORDINANCE Repair of this piece of equipment is vital to the installa	tiọn
and maintenance of all traffic signal, and fire alarm systems in the City. The vehicle	
is in constant use and no other equipment can be used as a substitute. It is primarily	
used to complete work requiring a lift bucket (overhead).	. 1
	٠.
EFFECT OF PASSAGE Will provide required equipment for overhead installation and and maintenance work to maintain operation of traffic signal and fire alarm systems.	
EFFECT OF NON-PASSAGE Malfunction of traffic signal and fire alarm systems.	
resulting in undue danger to lives and property of motorists and residents in effected	
areas of malfunction.	
MONEY INVOLVED (Direct Costs, Expenditures, Savings)	
Estimated repair quote from \$6,500.00 to \$8,000.00 including materials and labor.	
ASSIGNED TO COMMITTEE (J.N.) france M.	
SUDDICITED TO COMMITTIED (0.11.)	